

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:)	
)	
Manfred ALBRECHT et al.)	
)	Group Art Unit: TBA
Serial No.: TBA)	
)	
Filed: January 29, 2004)	Examiner: TBA
)	
For: ENHANCEMENT OF MAGNETIC)	
MEDIA RECORDING)	Atty Dkt No. ARC920030091US1
PERFORMANCE USING ION)	
IRRADIATION TO TAILOR)	
EXCHANGE COUPLING)	

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56 and in compliance with 37 C.F.R. § 1.97(b), Applicants submit herewith a Form PTO-1449 listing patents and publications for consideration in connection with the above-identified application. A copy of each publication is provided herewith.

Applicant respectfully requests that the Examiner consider and enter these documents into the file of the above-identified application. If any additional fee is deemed necessary, the Commissioner is authorized to charge Deposit Account No. 09-0441.

A general authorization under 37 C.F.R. § 1.25(b), second sentence, is hereby given to credit or debit Deposit Account No. 09-0441 for the instant filing and for any other fees during the pendency of this application under 37 C.F.R. §§ 1.16, 1.17 and 1.18.

Respectfully submitted,

By:



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Dated: January 29, 2004

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	TBA
Filing Date	January 29, 2004
First Named Inventor	Manfred ALBRECHT
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	ARC920030091US1

Sheet	1	of	2
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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Y*
		Country Code* Number* Kind Code* (if known)				
/HR/	5	JP61133030A	06-20-1986	A. Haruo et al.		
/HR/	6	JP11110757A	04-23-1999	K. Akiyasu		✓

Examiner Signature	/Holly Rickman/	Date Considered	05/07/2008
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***EXAMINER:** Include if reference considered, whether or not citation is in conformance with MPEP 909. Draw line through citation if not in conformance and not considered. Initial copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, indicate the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.**

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete If Known			
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		Filing Date	January 29, 2004		
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		Art Unit	TBA		
		Examiner Name	TBA		
Sheet	2	of	2	Attorney Docket Number	ARC920030091US1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
/HR/	7	Y. Sonobe et al., "Thermal Stability and SNR of Coupled Granular/Continuous Media," IEEE Transactions On Magnetics, Vol. 37, No. 4, pp. 1667-1670, July 2001.		
/HR/	8	Y. Sonobe et al., "Thermally Stable CGC Perpendicular Recording Media With Pt-Rich CoPtCr and Thin Pt Layers," IEEE Transactions On Magnetics, Vol. 38, No. 5, pp. 2006-2001, September 2000.		
/HR/	9	"SRIM - 2003, The Stopping and Range of Ions in Matter," http://www.srim.org/SRIM/SRIM2003.htm , printed 9/25/2003, 11:27 AM, 2 pages.		

Examiner Signature	/Holly Rickman/	Date Considered	05/07/2008
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